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Message Text

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ACTION AF-08

INFO OCT-01 ISO-00 EB-07 /016 W
---------- 126777
R 201515Z SEP 76
FM AMEMBASSY LAGOS
TO SECSTATE WASHDC 6857
USDOC WASHDC

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E.O. 11652: N/A
TAGS: BENC, ENRG, NI
SUBJECT: MAJOR PROJECT: SHIRORO HYDROELECTRIC COMPLEX

REF: LAGOS 6498

BEGIN UNCLASSIFIED
1. NIGERIAN ELECTRIC POWER AUTHORITY (NEPA) HAS INVITED INTERESTED FIRMS TO APPLY FOR PREQUALIFICATION TO SUPPLY, DELIVER AND INSTALL POWER TRANSFORMERS, GENERATORS, AND HYDRAULIC TURBINES FOR THE SHIRORO PROJECT. INTRODUCTORY PARAGRAPH COMMON TO ALL THREE NOTICES FOLLOWS IN SECOND PARAGRAPH, WITH DETAILS PARTICULAR TO THREE DIFFERENT CONTRACTS IN THIRD, FOURTH AND FIFTH PARAGRAPHS. ADDRESSES WHERE PREQUALIFICATION FORMS TO BE OBTAINED AND RETURNED ARE GIVEN IN PARAGRAPH SIX.

2. THE SHIRORO HYDROELECTRIC PROJECT WILL CONSIST OF A CONCRETE-FACED ROCK-FILL DAM WITH A HEIGHT OF 115 METERS FROM THE RIVER BED AND

A CREST LENGTH OF 700 METERS, INCLUDING SPILLWAY, AN ABOVE-GROUND INDOOR-TYPE POWERHOUSE AT THE DAMSITE WITH A GENERATING CAPACITY OF 600 MW CONSISTING OF FOUR UNITS; AN ADMINISTRATION AND CONTROL BUILDING; AND A SWITCHYARD.
THE PROJECT IS LOCATED IO NIGER STATE, APPROXIMATELY 90 KM SOUTH WEST OF THE CITY OF KADUNA. IT IS SNTUATED AT SHIRORO GORGE ON THE KADUNA RIVER NEAR ITS CONFLUENCE WITH THE DINYA RIVER.

3. A. THE NATIONAL ELECTRIC POWER AUTHORITY PLANS TO INVITE
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TENDERS IN FEBRUARY OF 1977 FROM PRE-QUALIFIED TENDERS FOR

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FURNISHING, DELIVERING AND INSTALLING FIVE MAIN POWER TRANSFORMERS
AND TWO TRANSMISSION TIE TRANSFORMERS FOR THE SHIRORO POWER PROJECT;
FOLLOWED WITH CONTRACT AWARD IN OCTOBER OF 1977, WITH DELIVERY OF THE
FIRST UNIT SCHEDULED FOR NOVEMBER 1, 1980.

B. THE TRANSFORMERS WILL BE 50 HERTZ OF THE THREE-PHASE, OIL
IMMERSED TYPE WITH CONSTANT PRESSURE CONSERVATOR TYPE OF OIL
PRESERVATION SYSTEM. THE MAIN POWER TRANSFORMERS WILL BE RATED
200,000 KVA, FORCED-OIL, FORCED WATER COLLED, 650C RISE, 330 KV
DELTA CONNECTED LOW VOLTAGE WINDING. THE TRANSMISSION TIE
TRANSFORMERS
WILL BE RATED 54,000/72,000/90,000 KVA SELF-COOLED
FORCED-AIR-COOLED, 650C RISE THREE WINDING, 330 KV AND 132 KV WYE
CONNECTED SOLIDLY GROUNDED AND 11 KV DELTA CONNECTED TERTIARY
WINDING.

C. PREQUALIFICATION FORMS MUST BE COMPLETED AND RETURNED
NOT LATER THAN 11/15/76.

4. A. THE NATIONAL ELECTRIC POWER AUTHORITY PLANS TO INVITE
TENDERS
IN NOVEMBER OF 1&76 FROM PREQUALIFIED TENDERERS FOR
FURNISHING, DELIVERING AND INSTALLING FOUR GENERATORS AND
ACCESSORIES FOR THE SHIRORO POWER PROJECT; FOLLOWED WITH CONTRACT
AWARD IN JULY OF 1977 WITH INITIAL OPERATION OF THE FIRST UNIT
SCHEDULED FOR JULY 1, 1981 AND THE FOURTH UNIT REQUIRED BY
MARCH 1, 1982.

B. THE GENERATORS WILL BE VERTICAL SHAFT TYPE, HYDRAULIC-
DRIVEN WITH A SHAFT MOUNTED ROTATING EXCITER AND ROTATING

AMPLIFIER TYPE VOLTAGE REGULATOR SYSTEM. THE GENERATORS WILL
BE RATED 150,000 KW 0.85 POWER FACTOR, 16,000 VOLTS, 50 HERTZ AND
150 RPM. THE CONTRACT WILL INCLUDE GENERATOR MAIN LEADS CONSISTING
OF 8,000 AMPERE SELF-
COOLED ISOLATED PHASE BUS.

C. PREQUALIFICATION GORMS MUST BE COMPLETED AND RETURNED
NOT LATER THAN 10/1/74.

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5. A. THE NATIONAL ELECTRIC POWER AUTHORITY PLANS TO INVITE
TENDERS IN NOVEMBER OF 1976 FROM PREQUALIFIED TENDERS FOR THE
FURNISHING, DELIVERING AND INSTALLING OF HYDRAULIC TURBINES AND
GOVERNORS FOR THE SHIRORO POWER PORJECT; FOLLOWED WITH CONTRACT
AWARD IN JUNE OF 1977 WITH INITIAL OPERATION OF THE FIRST UNIT
SCHEDULED FOR JULY 1, 1981 AND THE FOURTH UNIT BY MARCH 1, 1982.

B. PREQUALIFICATION FORMS MUST BE COMPLETED AND RETURNED NOT

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LATER THAN 10/1/76.

6. IN ORDER TO PRE-QUALIFY AS AN ACCEPTABLE ENDERER, INTERESTED CONTRACTORS MUST COMPLETE AND SCBMIT PREQUALIFICATION FORMS. REQUIRED PREQUALIFICATION FORMS MAY BE OBTAINED FROM:
CHAS T. MAIN INTERNATIONAL, INC.
134/136 BROAD STREET
P.M.B. 12030
LAGOS, NIGERIA
ATTENTION: MR. E. RINGLE, PROJECT COORDINATOR

CHAS. T. MAIN INTERNATIONAL, INC.
SOUTHEAST TOWER
PRUDENTIAL CENTRE
BOSTON, MASSACHUSETTS, U.S.A. 02199
ATTENTION: MR. N.P. TRIANO, PROJECT MANAGER

7. CANADIAN EXPATRIATE WHO IS MANAGER OF ENGINEERING AT NEPA INFORMED EMBOFF THAT PREQUALIFICATION ANNOUNCEMENTS APPEARED IN US TRADE PRESS SEVERAL WEEKS AGO, BEFORE PUBLICATION IN NIGERIAN PRESR. IN ADDITION, NEPA MAILED COPIES OF THE DOCUMENTS TO QUOTE EVERY SUPPLIER OF THIS KIND OF EQUIPMENT WE COULD THINK OF UNQUOTE. THUS, DESPITE APPARENTLY SHORT DEADLINE FOR SUBMISSION OF PRE-QUALIFICATION FORMS (OCTOBER 1 IN CASE OF GENERATORS AND TURBINES), ALL SIGNIFICANT AMERICAN MANUFACTURERS AND SUPPLIERS OF REQUIRED EQUIPMENT SHOULD HAVE NO TROUBLE INDICATING INTEREST IN PREQUALIFYING. NEPA OFFICIAL SAID HE HAS ALREADY SEEN COMPLETED AND RETURNED GORMS
FROM MANY US SUPPLIERS.

8. NEPA OFFICIAL SAID PREQUALIFICATION INVITATIONS FOR CIVIL WORKS FOR SHIRORO SHOULD BE OUT IN TWO OR THREE WEEKS. HE SAND NEPA IS COMPILING LISTS OF FIRMS IT WANTS TO BE SURE ARE
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INVITED AND WILL MAIL FORMS DIRECTLY TO THEM. END UNCLASSIFIED.

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9. CANADIAN ALSO MADE INTERESTING COMMENT THAT HE AND HIS COLLEAGUES AT NEPA QUITE CONCERNED THAT EAST EUROPEANS AND SOVIETS MAY PUSH HARD FOR SHARE OF SHIRORO PROJECT. HE SAID THERE IS STRONG RUMOR THEY ARE GOING TO BID ON HYDRAULIC TURBINES, AND COMMENTED QUOTE THEY COULD MAKE OUR LIFE DIFFICULT FOR YEARS TO COME. UNQUOTE. END LIMITED OFFICIAL USE.
EASCM

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: CONSTRUCTION, INVITATIONS, BUSINESS FIRMS, CONTRACTS, ELECTRIC POWER PLANTS, PROGRAMS (PROJECTS)
Control Number: n/a
Copy: SINGLE
Draft Date: 20 SEP 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: CunninFX
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1976LAGOS10783
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D760356-1145
From: LAGOS
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t19760942/aaaabjor.tel
Line Count: 164
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION AF
Original Classification: LIMITED OFFICIAL USE
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: LIMITED OFFICIAL USE
Previous Handling Restrictions: n/a
Reference: 76 LAGOS 6498
Review Action: RELEASED, APPROVED
Review Authority: CunninFX
Review Comment: n/a
Review Content Flags:
Review Date: 30 JUN 2004
Review Event:
Review Exemptions: n/a
Review History: RELEASED <30 JUN 2004 by ElyME>; APPROVED <21 OCT 2004 by CunninFX>
Review Markings:

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US Department of State
EO Systematic Review
04 MAY 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: MAJOR PROJECT: SHIRORO HYDROELECTRIC COMPLEX
TAGS: BENC, ENRG, NI, US
To: STATE COM
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006